

Electronic Digital Computers,
by S. A. Lebedev, L. V. Kantorovic.
RUSSIAN, bk, Vol 1, Part 4, 1963.
Amer. Mat. Soc. LC No. 62-22016

S. A. Lebedev

Sci-Math
June 66

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Some Anomalies in the Behavior of Metals Heated by
High-Surge Pulses (excerpts), by S. F. Lebedev, S. E. K
E Khaikin, 8 pp.

RUSSIAN, per, Zhur Eksp 1 Teoret Fiz, Vol XXVI, 1954,
pp 629-639.

ABC/SCL-T-245

Sci - Phys

Jun 59

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Examining the Mechanical Method of Triangulation
From Photographs, by S. M. Lebedev.

RUSSIAN, per, Geodesy i Kartografiya, No 8, 1958,
pp 40-43.

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Feb 60

106,644

Lebedev, S. V. PREPARATION OF BUTADIENE DIRECTLY FROM ALCOHOL. [1961] 25p. 29 refs. Order from OTS or SLA \$2.60 61-18060 Trans. of Zhurnal Obshchei Khimii (USSR) 1933, v. 3, p. 698-717. DESCRIPTORS: Butadienes, Synthesis, Alcohols. (Unannounced)	61-18060 I. Lebedev, S. V. 217125 Office of Technical Services
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Lebedev, S. V., Gorin, Yu. A. and others.
MECHANISM OF THE CONTACT CONVERSION OF
ALCOHOLS TO DIENE HYDROCARBONS. [1961] 18p
21 refs.

Order from OTS or SLA \$1.60

61-18200

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4]
no. 1, p. 8-27.

DESCRIPTORS: Alcohols, Decomposition, Hydro-
carbons, Butadienes, Dienes, Synthesis.

(Unannounced)

61-18200

I. Lebedev, S. V.
II. Gorin, Yu. A.

217151

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I. Echev, S. V., Gulyeva, A. I., and
Vasil'ev, A. A.
HYDROGENATION OF VINYLACETYLENE. [1961]
14p. 17 refs.
Order from OIS or SLA \$1.60 61-18100

Trans. of Zhurnal Obshchei Khimii (USSR) 1935,
v. 5, p. 1422-1433.

DESCRIPTORS: Vinyl radicals, Acetylenes,
Hydrogenation.

(Unannounced)

61-18100

I. Echev, S. V.
II. Gulyeva, A. I.
III. Vasil'ev, A. A.

217131

Office of Technical Services

Lobachev, S. V. and Orlov, S. M.
RESEARCH ON POLYMERIZATION. XV. POLY-
MERIZATION OF 2-BUTENE. *Докл. АН СССР* 1961 16p. 12 refs.
Order from OCS or SLA \$1.10 61-18099

Trans. of Zh. nat. Obshch. Khimii (USSR) 1935,
v. 5, p. 1559-1594.

19 SUBJECTS: Polymerization, Butenes

61-18099

61-18099

I. Lobachev, S. V.
II. Orlov, S. M.
III. Title: Polymerization...

217130

Office of Technical Services

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Some Anomalies in the Behavior of Metals Heated by
High-Surge Pulses, by S. V. Lebedev, S. E. Khaikin.

RUSSIAN, per, Zhur Eksper Teoret Fiz, Vol XXVI,
No 5, 1954, pp 629-639

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Lebedev, S. V., Khokhlovkin, M. A. and others.
KINETICS OF THE PROCESS OF THERMAL POLY-
MERIZATION OF BUTADIENE. [1961] 11p. 16 refs.
Order from OTS or SLA \$1.60 61-18074

Trans. of Zhurnal Fizicheskoi Khimii (USSR) [1935]
v. 6, p. 130ff (also pub. in mono. Lebedev, S. V.,
Life and Works, Leningrad, 1938, p. 647-662).

DESCRIPTORS: Butadienes, Polymerization, Reaction
kinetics, Temperature, Velocity, Oxygen

Thermal polymerization of butadiene within the temper-
ature interval of 110-200° was investigated, and reac-
tion velocity curves obtained for each temperature. It
was established that the order of the reaction changes
with change of the temperature of the experiment. The
average order of the reaction determined according to
van't Hoff is approximately 1.5. The accelerating effect
(Chemistry--Physical. TT, v. 9, no. 2) (over)

61-18074

I. Lebedev, S. V.
II. Khokhlovkin, M. A.

61-18074

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Preparation of 1,3-Butadiene From
Petroleum and Its Fractions, by S. V.
Lebedev, G. M. Egan, S. V. Krasen,
B. D. Kustya, V. G. Moor, 14pp.
RUSSIAN, per, Trudy Olegnogo Zavoda Lit. B.,
Vol 1, 1933, pp 471-90.
CPSTT TT-01110051.

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3-59

Sci - Materials
Mar 57

Preparation of 1,3-Butadiene From
Petroleum and Its Fractions, by S. V.
Lebedev, G. M. Egan, S. V. Katzman,
B. D. Kustrya, V. G. Moor, 14pp.
RUSSIAN, per, Trudy Opytnogo Zavoda Lit. B.,
Vol 1, 1933, pp 471-490.
CFSTI TT-6118051.

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Sci - Materials
Mar 67

Heats of Combustion of Isoprene and Products
of its Polymerization, by S. V. Lebedev,
M. A. Khokhlovkin, et al. 9 pp.
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1936, pp 1605ff.
SLA TT-61-16633

Sci/Chemistry
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S. V. Lebedev

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Action of Some Silicates on Hydrocarbons Con-
taining a Tertiary Butyl Radical in Their Molecule,
by S.V. Lebedev, N.A. Kudryavtsev. 6 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 5, 1935,
pp 1859-1865.
SLA TT-61-18045

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Jul 66

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Shortwave Radiation from a Vacuum Spark, by
S. V. Lebedev, S. L. Mandel'shtam, G. M.
Rodin, 5 pp.

RUSSIAN, per, Eksper i Teoret Fiz, Vol XXXVII,
(10), No 2, 1960, pp 349-354.
No 2(9), 1959

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Mar 60

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Lebedev, S. V. and Sergienko, S. R.
DIMERIZATION OF 1,3-BUTADIENE. [1961] 14p
43 refs
Order from OTS, SLA, or ETC \$1.60 TT-61-16602

Condensed trans. of Zhurnal Obshchei Khimii (USSR)
1935, v. 5, p. 1839-1858.

DESCRIPTORS: *Butadienes, Polymerization, *Cyclo-
hexenes, Vinyl radicals, *Bromides, Synthesis (Chem-
istry), Molecular structure, Crystal structure

TT-61-16602

1. Title: S-Vinyl cyclohexene
I. Lebedev, S. V.
II. Sergienko, S. R.

A257780

Lebedev, S. V. and Slobodin, Ya. M.
ISOMERIZATION OF HYDROCARBONS OF THE
DIALLYL SERIES BY SILICATES. [1961] 7p 18refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16615

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4 [no. 1] p. 23-30.

Another trans. is available from SLA as
SLA-R-3964, 8p.

DESCRIPTORS: *Dienes, Molecular isomerism,
*Butanes, Bromination, Grignard reactions, *Butenes,
*Butadienes, Synthesis (Chemistry), Polymerization,
*Silicates, Allyl radicals.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16615

I. Lebedev, S. V.
II. Slobodin, Ya. M.
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11/18/61

Office of Technical Services

Phenomena in Tungsten Wires Preceding Their
Explosion Under the Effects of a Heavy Current,
by S. V. Lebedev, 33 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVII,
1954, pp 605-614.

AEC/SCL-T-239

Sci - Phys

May 59

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Lebedev, S. V. and Livshitz, I. A.
INVESTIGATION IN THE DOMAIN OF POLYMERIZA-
TION. ARTICLE 14. DEPOLYMERIZATION OF TRI-
ISOBUTYLENE. 23p. MTWL: 174.
Order from OTS or ETC \$1.91

61-17840

Trans. of Zhurnal Obshchei Khimii (USSR) 1934,
v. 4, no. 1, p. 13-22.

DESCRIPTORS: *Butenes, *Polymers, Polymerization.

61-17840

I. Lebedev, S. V.
II. Livshitz, I. A.
III. MTWL-174
IV. Stichting Moeilijk
Toegankelijke Wetenschap-
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~~Lebedev, S. V.~~ and Koblyanskii, G. G.
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TION. ARTICLE 12. 21p. MTWL: 175.
Order from OTS or ETC \$1.87

61-17841

Trans. of Zhurnal Russkogo Fizikokhímicheskogo
Obshchestva (USSR) 1929, v. 61, no. 10, p. 2175-2187

DESCRIPTORS: *Polymerization, *Butenes.

61-17841

- I. Lebedev, S. V.
- II. Koblyanskii, G. G.
- III. MTWL-175
- IV. Stichting Moeilijk
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Office of Technical Services

Violation of the Boguslavskiy-Langmuir Law Concerning
the Heating of a Tungsten Cathode of a Vacuum Tube
by a Pulsed Current of High Density, by S. V.
Lebedev, 46 pp.

RUSSIAN, per, Zhur Eksp^{er} i Teor^{et} Fiz, Vol XXVII,
No ., (10), Oct 1954, pp 487-500.

SLA Tr R-1026

Sci - Electronics
Jan 58

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Explosion of a Metal by an Electric Current, by
S. V. Lebedev, 10 pp.

RUSSIAN; no per, Zhur Eksper i Teoret Fiz, Vol XXXII,
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Phenomena in Tungsten Wires Preceding Their Disintegration Under the Effects of Heavy Current, by
S. V. Lebedev, 22 pp.

RUSSIAN, per, Zhur Eksptl i Teort Fiz, Vol XXVII.
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SLA Tr R-939

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Jan 58

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Anomalous Electron Emission of Tungsten Heated by
a High-Density Current Pulse, by S. V. Lebedev,
S. E. Khaikin, 11 pp.

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2LA-R-875

AEC Tr 2602

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Nov 56 OHS

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Dependence of the Electrical Conductivity and
Electron Emission on the Energy of a Metal in the
Process of Its Heating by a Current of High Density,
by L. N. Borodovskaya, S. V. Lebedev, 13 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, No 1, 1955, pp 96-110. CIA C 40845

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57 East 55 St.
New York 22, N. Y.

Scientific - Physics

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Composition of the Butylenes Obtained in the
S. V. Lebedev Process, by V. V. Figal'skiy,
V. V. Leont'eva, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 8,
Aug 1957, pp 1264-1269.

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mt 58

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Lebedev, S. V., Koblyanskii, G. G., and
Gulyaeva, A. I.

VAPOR PRESSURE OF SOLUTIONS OF 1, 3-BUTA-
DIENE IN TURPENTINE AND TETRALIN. [1961]

3p. 5 refs.

Order from OTS or SLA \$1.10

61-18063

Trans. of mono. Lebedev, S. V., Life and Works,
v. 1: Trudy Opytnogo Zavoda Lit. B., Leningrad,
1938, p. 667-671.

DESCRIPTORS: *Butadienes, Dienes, Solutions, Tur-
pentine, Tetralin, *Vapor pressure.

(Chemistry--Physical, TT, v. 8, no. 6)

61-18063

I. Lebedev, S. V.

II. Koblyanskii, G. G.

III. Gulyaeva, A. I.

IV. Title: Trudy...

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Thermoelectron Emission of Certain Materials
in Cesium Vapors, by S. Ya. Lebedev and Ya.
Ya. Stavitskiy, 7 pp.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Seriya Fizicheskaya, Vol 25, No 9, 1964,
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Plasma Oscillations During Ion Beam Neutralization, by S. Ya. Lebedev, Yu. Ya. Snavisskiy,
4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI, No 10,
1961, pp 1202-1208.

AIP
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2 Vol VI, No 10

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Surface Ionization of Cesium Upon Diffusion Through
Porous Tungsten, by Yu. Ya. Stavitskiy, S. Ya.
Lebedev, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 10,
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The Development of Binary Alloy Phase Diagrams in Connection with Particle Reactivity Between Fusible Elements, by T. Lebedev, 4 pp.

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Method of Recording Fatigue Diagrams, by
T. A. Lebedev and T. K. Karinets, et al,
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1962, pp 141-146. FI00073360
FTD-TT-65-1462

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Sci-Inst. Metals
Jan 67

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On the Problem of the Nature of Phase Transformation in Metals and Alloys by N. V. (M.) Ivanova and T. A. Lebedev, 8 pp.

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LE CHAV, T. A.

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On the Ionic Condition of Austenite.

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A6 771

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DOKLADY AKADEMII NAUK SSSR, vol 60, 1949, No 7,
pp 1201-3; 1150 words.

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The Mechanism of Diffusion in Solid Substitution Solutions,
by T. A. Lebedev.

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On the Austenite Transition, by T. A. Lebedev.
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June 70

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T. A. ~~Lebedev~~

Investigation of Cyclic Strength of Metals 70
by the Method of Recording Diagrams of
Fatigue, by T. A. Lobadov, et al.
Summary, per, Trety Inst per Tsikhovskaya
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pp 141-145.
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Tectonics of the Northeastern Region of the Sea of
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Sci - Earth Sci & Astron
Jul 63

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Technique of the Central Part of the Northern Slope of the Crimean Mountains, by T. A. Lohman.
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Soviet Encyclopedia, Nov. 1961, pp 46-47.
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Sci - Earth Sci
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Gravitational and Magnetic Anomalies of the Pripyat'
Depression and Their Relationship With the Geological
Structure, by T. S. Lebedev.

RUSSIAN, per, Trudy Inst Geolog Nauk, Ak Nauk Ukrain
SSR, Ser Geofiz, No 2, 1958, pp 27-42.

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Sci - Geophys

Oct 62

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Concerning Courses for the Development of
Prospecting Geophysics in the Soviet Union, by
T. S. Lebediev, Z. O. Kurtykova'ka, 9 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 3,
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Sci - Misc

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CONFERENCE OF UKRAINIAN MATHEMATICIANS AND
ASTRONOMERS, BY V. S. LEVIN, 8 PP.

RUSSIAN, PER, GEOTECHNOL, NO 12, 1962,
PP 97-102.

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SCI-ENG SCI
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The Deep-Seated Structure of the Earth's
Crust in Crimea and in the Black Sea,
Sea of Azov Basin, According to the Data
of the Geophysical Explorations, by
I. S. Lebedev and K. A. Solyubakh, et al,
RUSSIAN, per, Geofizicheskoye Issledovaniya
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May 66

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Lebedev, T. [S.] and Sobakar', G. T.
TECTONICS OF THE NORTHEASTERN REGION OF
THE SEA OF AZOV: TECTONICS AND RELIEF OF
THE FOUNDATION, tr. by Robert D. Hill. Apr 63 [44]
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Order from OTS or SLA \$4.60 63-23156

Trans. of mono. Tektonika Severo-Vostochnogo
Pryazov'ya, Kiev, 1962, p. 49-70.

DESCRIPTORS: *Structural geology, Folds (Geology),
*Faults (Geology), *Geodesics, Data, Analysis,
Geophysics.

Contents:
Principles of interpretation of geodetic data
Submeridional fractures
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Relief of the roof of pre-cretaceous rocks.
(Earth Sciences--Geology, TT, v. 10, no. 10)

63-23156

I. Title: Sea of Azov.
T. Lebedev, T. S.
II. Sobakar', G. T.
III. Title: Tectonics and . . .

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Selected Translations, by T. S. Lebedev, V. B. Sollogub,
152 p.

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OTS 59-11765
JPRS 852-D

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Deep Structure of the Earth's Crust in
Crimea and the Black Sea - Azov Basin on
the Basis of Geophysical Studies, by T. S.
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Nov 65

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Coping With Silence in Outer Space, V. Lobedev,
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Vostok, Oct 1964, pp 59-64,
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JPRS 27601

Sci-Biol&Med
Jan 65

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Starting a Jet Engine With a Hydraulic Clutch in the
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Valuable Products From Chemical Wastes,
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JPRS 16552

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Effect of Space Flight on Crew of Interplanetary
Vehicle, by V. Lebedev, 7 pp.
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JPRS 29217

Sci-B/1:
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Memorial Island. Correction on the Antarctic Map, by
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1950, pp 91-92

See Upton, New York State: Brookhaven National
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Jun 1950, pp 162-163

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Adynamia in Spaceflight, by V. Lebedev, 6 pp.
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FTD-ST-63-9

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FD-250

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Jan 58

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JPRS 83091

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Sci-Math & Data Processing

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Spectra of 1, 3-Enyne Hydrocarbons
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Sci - Aero

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Effect of Fishing Industry on the Biological
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Sci -
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Synthesis of the Compounds of Germanium Tetrachloride
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AMS-tr-4458
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and Solidified Oils, by V. G. Lebedev, G. V.
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